

A NEW PAULLINIA FROM VENEZUELA

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PAULLINIA CARRENOI Steyermark, sp. nov.

Scandens lignosus, ramis teretibus costatisque villosulomentosis; stipulis falcato-subulatis caudatis 5-6 mm. longis 0.5 mm. latis puberulis; foliis impari-pinnatis 3-jugis punctatopellucidis 8-13 cm. longis 8-12 cm. latis, jugo infimo ternato, petiolatis; foliolis decurrentibus elliptico-lanceolatis vel terminalibus obovatis vel elliptico-oblanccolatis apice acuminatis basi acutis vel cuneatim acutis 2.3-6 cm. longis 1-2.3 cm. latis subtus moderatim puberulis supra praeter costam mediam nervos lateralesque pubescentes glabris, marginibus ciliatis integerrimis vel terminalibus interdum cum 1-2 dentibus brevibus latioribusque praeditis; foliolis infimis ternatis terminalibus elliptico-oblanccolatis vel anguste obovatis, lateralibus minoribus; petiolis communis 1.5-5 cm. longis dense tomentellis; foliorum lateralium petiolulis 0.5-5 mm. longis, foliorum terminalium 3-10 mm. longis, dense tomentellis; nervis lateralibus utroque latere 5-7; cirrhis biramosis circinnatis dense puberulis; inflorescentiis in ramis adultioribus ad nodos defoliatos et ad axilles foliorum in fasciculos aggregatis; floribus non visis; capsulis maturis 3-alatis suborbicularibus stipitatis 13-15 mm. longis 12-13 mm. latis, alis basin versus valde angustatis supra medium 3-5 mm. latis infra medium 0.5-2 mm. latis acute angulatis dense pilosulis marginibus subintegerrimis, capsulae maturae stipite 8-11 mm. longo tomentuloso; capsulae corpusculo late oblongo 13-14 mm. longo 10 mm. lato dense pilosulo; seminibus nigris obovoideis 9 mm. longis 8 mm. latis glabris.

Type: VENEZUELA: Estado Yaracuy: El Amparo, selva nublada a 7 km. al norte de Salom, alt. 1100-1200 m., 1 December 1974, Julian A. Steyermark, Victoriano Carreño Espinoza, Cora Steyermark, and Elizabeth Diederichs. 111214 (holotype, VEN).

From P. manarae Steyermark, this taxon differs in the wings of the capsules strongly narrowed below the middle, mainly entire and smaller leaflets, and the dense tomentum of the petioles, rachis of leaf, petiolules, and lower surface of leaflets. From P. cauliflora Jacq. it differs in the glabrous seed and fruit shape, while from P. glomerulosa Radlk. it is distinguished by the glabrous seed and entire to subentire leaflets.

It is a pleasure to name this species for my field assistant, Victoriano Carreño Espinoza, whose invaluable assistance has enabled

ed the author to obtain many specimens of plants which have proved to be new to science or to the Venezuelan flora.

NOTES ON NEW AND NOTEWORTHY PLANTS. LXXXI

Harold N. Moldenke

SYNGONANTHUS CURRALENSIS Moldenke, sp. nov.

Herba perennis; caudice erecto percrasso a basibus reflexis foliorum densissime oblecto ca. 7 cm. alto 2 cm. crasso ad apicem dense folioso; foliis sessilibus linearibus plerumque arctissime reflexis 3--5 cm. longis ca. 1 mm. latis ad apicem subacutis vel acutis saepe minutissime apiculatis supra dense peradpresseque antrorso-strigosis, pilis albis, plusminusve secum mediam sulcato-depressis, subtus parciore adpresso-strigosis, costae prominente; pedunculis terminalibus numerosis usque ad 39 cm. altis rectis non tortis 4-sulcatis minutissime perobscurae pilosulis vel glabrescentibus; vaginis arctissime adpressis ca. 4.5 cm. longis 4-sulcatis densissime arctissimeque antrorso-strigosis, pilis albis, ad apicem fissis, laminis triangularibus ca. 3.5 mm. altis argute acuminato-acutis; capitulis hemisphaericis ca. 1 cm. latis.

A perennial herb with a stout erect caudex about 7 cm. long and 2 cm. wide, all but the apex completely covered by the extremely numerous, reflexed, and almost adnate leaf-bases, producing at the base a very large number of filamentous roots to about 7 cm. long, apparently mostly partially covered by fine-grained white sand, the topmost portion only producing the current season's leaves; leaves very numerous, all completely alike, sessile, linear, 3--5 cm. long, about 1 mm. wide, subacute or acute at the apex, all except the inmost few very sharply reflexed and hiding the upper portion of the caudex, very densely white-strigose above with closely appressed antrorse hairs lying as if combed, mostly slightly sulcate-depressed along the line of the midrib, the leaf-tips often very minutely apiculate, somewhat less densely strigose beneath with similar hairs and the midrib there quite prominently elevated; peduncles produced only on the very top of the caudex, very numerous (ca. 23), stiffly erect, 25--29 cm. long, not twisted, 4-costate and -sulcate, very minutely and obscurely scattered-pilosulous or glabrescent; sheaths closely appressed to the peduncles, about 4.5 cm. long, 4-sulcate, very densely and closely appressed-strigose with white antrorse hairs like the upper leaf-surface, split at the apex, the lobes triangular, erect, about 3.5 mm. long, sharply acuminate-acute at the apex, rather more lightly and obscurely white-strigose on the back; heads solitary, hemispheric, about 1 cm. wide; involucre bractlets very numerous, in many series, the shorter outside, the longer inside, the outer brownish, the inner golden-stramineous, all oblong, rounded at the apex, at least the outer ones lightly white-strigillose toward the